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The undersigned, being an attorney of record in the below-identified patents and/or applications hereby grants associate power of attorney to the registered practitioner(s) assigned to **Customer No. 38396** and

John J. Bruckner, Reg. No. 35,816,

each an attorney or agent of the law firm of JOHN BRUCKNER PC, to prosecute the below-identified patent(s) and/or application(s) and to transact all business in the Patent and Trademark Office connected therewith and hereby revokes the associate power of attorney (if any) to Customer No. 25094.

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| 2500940.991120 | UBAT1120 | 346.0 | 08/873,252 | 11-Jun-97 | 6078392 | 20-Jun-00 | Direct-To-Digital Holography, Holographic Interferometry, and Holography |
| 2500940.991240 | UBAT1240 | 629.0 | 09/296,143 | 21-Apr-99 | 6355541 | 12-Mar-02 | Method for Transfer of Thin-Film of SiC via Implantation and Wafer Bonding |
| 2500940.991250 | UBAT1250 | 665.0 | 60/128,196 | 7-Apr-99 | NA | NA | Electrostatically Focused Addressable Field Emission Array Chips (EFA's) For High Speed Massively Parallel Maskless Digital e-Beam Direct Write Lithography and Scanning Electron Microscopy |
| 2500940.991160 | UBAT1160 | 0655.0 | 09/404,009 | 23-Sep-99 | 6603818 | 5-Aug-03 | A Time Domain Transceiver Architecture for Low Power Communications |
| 2500940.991161 | UBAT1160-1 | 0655.2 | 10/082,568 | 4-Mar-02 | 6606350 | 12-Aug-03 | A Time Domain Transceiver Architecture for Low Power Communications |

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| 2500940.991162 | UBAT1160-2 | 0655.3 | 10/082,773 | 4-Mar-02 | 6625229 | 23-Sep-03 | A Time Domain Transceiver Architecture for Low Power Communications |
| 2500940.991163 | UBAT1160-3 | 0655.4 | 10/082,569 | 4-Mar-02 | 6621878 | 16-Sep-03 | A Time Domain Transceiver Architecture for Low Power Communications |
| 2500940.991262 | UBAT1260-2 | 0665.1 CIP | 09/368,919 | 5-Aug-99 | 6498349 | 24-Dec-02 | Electrostatically Focused Addressable Field Emission Array Chips (EFA's) For High Speed Massively Parallel Maskless Digital e-Beam Direct Write Lithography and Scanning Electron Microscopy |
| 2500940.991263 | UBAT1260-3 | 665.8 | 10/260,321 | 30-Sep-02 | | | Electrostatically Focused Addressable Field Emission Array Chips (EFA's) For High Speed Massively Parallel Maskless Digital e-Beam Direct Write Lithography and Scanning Electron Microscopy |
| 2500940.991200 | UBAT1200 | 0526.0 | 09/396,997 | 15-Sep-99 | 6344366 | 5-Feb-02 | Fabrication of Highly Textured LiCoO ₂ Films by Rapid Thermal Annealing |
| 2500940.991201 | UBAT1200-1 | 526.2 | 09/818,465 | 27-Mar-01 | 6555270 | 29-Apr-03 | Fabrication of Highly Textured LiCoO ₂ Films by Rapid Thermal Annealing |
| 2500940.991202 | UBAT1200-2 | 526.3 | 09/818,490 | 27-Mar-01 | 6562518 | 13-May-03 | Fabrication of Highly Textured LiCoO ₂ Films by Rapid Thermal Annealing |
| 2500940.991100 | UBAT1100 | 663.0 | 09/398,347 | 17-Sep-99 | 6509808 | 21-Jan-03 | High Thermal Conductivity Lossy Dielectric Using a Multilayer Configuration (claims 1-11) |
| 2500940.991101 | UBAT1100-1 | 663.1 | 09/837,891 | 18-Apr-01 | 6579393 | 17-Jun-03 | High Thermal Conductivity Lossy Dielectric Using a Multilayer Configuration (claims 12-21) |

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| 2500940.991130 | UBAT1130 | 720.0 | 09/397,153 | 15-Sep-99 | 6455844 | 5-Sep-02 | A Table-Top Apparatus for the Single-Atom Detection of Carbon-14 |
| 2500940.991190 | UBAT1190 | 732.0 | 09/449,844 | 26-Nov-99 | abandon | abandon | Particle Deposition Methods for High Rate Epitaxial Growth of Carbon Nanotubes and other Crystalline Materials (claims 1-8 & 14-15) |
| 2500940.991191 | UBAT1190-1 | 732.1 | 09/997,600 | 28-Nov-01 | | | Particle Deposition Methods for High Rate Epitaxial Growth of Carbon Nanotubes and other Crystalline Materials (claims 9-13 & 16-28) |
| 2500940.991270 | UBAT1270 | 303.0 | 09/396,998 | 15-Sep-99 | 6259374 | 10-Jul-01 | Passive Pavement Mounted Acoustical Driver Alert Mechanism |
| 2500940.991180 | UBAT1180 | 725.0 | 09/395,378 | 14-Sep-99 | 6313479 | 6-Nov-01 | Self-Organized Formation of Quantum Dots of a Material on a Substrate |
| 2500940.991181 | UBAT1180-1 | 725.1 | 09/816,698 | 23-Mar-01 | abandon | abandon | Self-Organized Formation of Quantum Dots of a Material on a Substrate |
| 2500940.991280 | UBAT1280 | 517.0 | 09/461,566 | 14-Dec-99 | 6436339 | 20-Aug-02 | Mn Addition For Improved Fluidity of Case B2-Phase FeAl Alloys |
| 2500940.991121 | UBAT1120-1 | 777.0 | 09/477,267 | 4-Jan-00 | 6525821 | 25-Feb-03 | Improvements To Acquisition and Replay Systems (claims 1-28) |
| 2500940.991122 | UBAT1120-2 | 777.3 | 10/166,859 | 11-Jun-02 | | | Improvements To Acquisition and Replay Systems (claims 29-52) |
| 2500940.991123 | UBAT1120-3 | 777.10 | 10/421,448 | 23-Apr-03 | | | Spatially Heterodyned Holograms |
| 2500940.991290 | UBAT1290 | 538.0 | 09/676,401 | 29-Sep-00 | 6556942 | 29-Apr-03 | Short-Range Radiolocation System and Methods |
| 2500940.991300 | UBAT1300 | 678.0 | 09/671,636 | 27-Sep-00 | | | Hybrid Spread-Spectrum Technique for Expanding Channel Capacity |
| 2500940.991210 | UBAT1210 | 842.1 | 09/810,531 | 15-Mar-01 | 6692324 | 17-Feb-04 | Field Emission Devices Having Carbon Nanofiber Emitters |

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| 2500940.991310 | UBAT1310 | 903.0 | 09/795,660 | 27-Feb-01 | 6649431 | 18-Nov-03 | Method for Mass Production of Nanoscale Carbon Tips with Cylinder-On-Cone Shapes |
| 2500940.991311 | UBAT1310-1 | 903.2 | 10/715,057 | 17-Nov-03 | | | Method for Mass Production of Nanoscale Carbon Tips with Cylinder-On-Cone Shapes |
| 2500940.991170 | UBAT1170 | 923.0 | 10/036,189 | 27-Dec-01 | 6617580 | 9-Sep-03 | Design for A Dedicated Electron Holography Microscope |
| 2500940.991140 | UBAT1140 | 909.0 | 09/860,841 | 17-May-01 | 6563893 | 13-May-03 | Method for Improved AM Broadcast Reception |
| 2500940.991141 | UBAT1140-1 | 909.2 | 10/304,338 | 26-Nov-02 | | | Method for Improved AM Broadcast Reception |
| 2500940.991320 | UBAT1320 | 866.0 | 09/939,303 | 24-Aug-01 | 6744518 | 1-Jun-04 | Interferometric Source of Two-Color, Two-Beam Entangled Photons |
| 2500940.991330 | UBAT1330 | 880.0 | 09/938,843 | 24-Aug-01 | 6744518 | 1-Jun-04 | Optical Microscope Using an Interferometric Source of Two-Color, Two-Beam Entangled Photons |
| 2500940.991470 | UBAT1470 | 915.0 | 10/226,164 | 22-Aug-02 | 6578054 | 13-Jan-04 | Quantum Channel for the Transmission of Information |
| 2500940.991110 | UBAT1110 | 912.0 | 10/817,759 | 31-Dec-03 | | | Multipath-Resistant Hybrid Spread-Spectrum Radio Transmission Technique |
| 2500940.991340 | UBAT1340 | 978.0 | 60/322,929 | 18-Sep-01 | NA | NA | Fabrication of Individually Electrically Addressable Carbon Nanofibers on Insulating Substrates |
| 2500940.991341 | UBAT1340-1 | 978.1 | 09/964,270 | 26-Sep-01 | | | Fabrication of Individually Electrically Addressable Carbon Nanofibers on Insulating Substrates |
| 2500940.991150 | UBAT1150 | 0994.0 | 09/999,187 | 30-Nov-01 | will issue | issue fee paid June 18 | Laser Array Synchronization |
| 2500940.991350 | UBAT1350 | 1021.0 | 10/068,795 | 6-Feb-02 | | | Controlled Alignment of Catalytically Grown Nanostructures in a Large Scale Synthesis Process |
| 2500940.991360 | UBAT1360 | 960.0 | 60/293,780 | 25-May-01 | | | Improved Process for Fabricating Field Emission Devices with Carbon Tips |
| 2500940.991361 | UBAT1360-1 | 960.1 | 10/155,841 | 24-May-02 | | | Improved Process for Fabricating Field Emission Devices with Carbon Tips |

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| 2500940.991362 | UBAT1360-2 | 960.3 | 10/681,565 | 8-Oct-03 | | | (Divisional) Improved Process for Fabricating Field Emission Devices with Carbon Tips |
| 2500940.991370 | UBAT1370 | 965.0 | 10/234,044 | 3-Sep-02 | issue fee paid Jan. 29 | | Off-Axis Illumination for Improved Resolution in Direct-to-Digital Holography |
| 2500940.991380 | UBAT1380 | 966.0 | 10/234,043 | 3-Sep-02 | | | Content-Based Off-Axis Illumination for Direct-to-Digital Holography |
| 2500940.991390 | UBAT1390 | 967.0 | 10/234,042 | 3-Sep-02 | | | Rapid Acquisition of Off-Axis Illuminated Holograms for Direct-to-Digital Holography |
| 2500940.991400 | UBAT1400 | 929.0 | 10/349,579 | 23-Jan-03 | | | Modified Design for a Michelson-, Mach-Zehner- or general, Off-Axis-Type Interferometer |
| 2500940.991420 | UBAT1420 | 976.0 | 10/726,446 | 3-Dec-03 | | | Multidimensional Signal Modulation Method for High Data-Rate Transmission |
| 2500940.991430 | UBAT1430 | 977.0 | 10/726,475 | 3-Dec-03 | | | Multicarrier Orthogonal Spread-Spectrum (MOSS) Data Transmission Method |
| 2500940.991440 | UBAT1440 | 679.0 | 09/653,788 | 1-Sep-00 | | | Digital-Data Receiver Synchronization Method and Apparatus |
| 2500940.991441 | UBAT1440-1 | 679.6 | 10/722,274 | 25-Nov-03 | | | Digital-Data Receiver Synchronization Method and Apparatus |
| 2500940.991450 | UBAT1450 | 656.0 | 09/653,394 | 9/1/00 (12/18/00 effective) | abandon | abandon | Wireless Spread-Spectrum Telesensor Chip with Synchronous Digital Architecture |
| 2500940.991451 | UBAT1450-1 | 656.2 | 09/942,308 | 29-Aug-01 | | | Wireless Spread-Spectrum Telesensor Chip with Synchronous Digital Architecture |
| 2500940.991460 | UBAT1460 | 642.0 | 09/660,743 | 13-Sep-00 | 6744806 | 1-Jun-04 | Fast Synchronizing High-Fidelity Spread-Spectrum Receiver |
| 2500940.991480 | UBAT1480 | 544.0 | 09/406,280 | 24-Sep-99 | 6533733 | 18-Mar-03 | Implantable Intracranial and Cerebrospinal Fluid Pressure Monitor |
| 2500940.991481 | UBAT1480-1 | 544.6 | 10/374,928 | 24-Feb-03 | | | Implantable Intracranial and Cerebrospinal Fluid Pressure Monitor |
| 2500940.991490 | UBAT1490 | 933.0 | 10/421,444 | 23-Apr-03 | | | Technique for Obtaining Two-Wavelength Differential-Phase Direct-to-Digital Heterodyned Holograms |

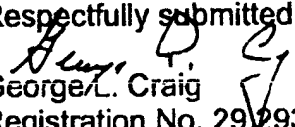
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| 2500940.991491 | UBAT1490-1 | 933.1 | 10/607,824 | 27-Jun-03 | | | Method for Recording Multiple Spatially-Heterodyned Direct to Digital SHHs in One Digital Image |
| 2500940.991492 | UBAT1490-2 | 933.2 | 10/607,840 | 27-Jun-03 | | | Method for Faster Processing of Multiple Spatially-Heterodyned DDH |
| 2500940.991500 | UBAT1500 | 1199.0 | 10/408,294 | 7-Apr-03 | | | Parallel Macromolecular Delivery and Biochemical/Electrochemical Interface to Whole Cells Employing Carbon Nanofibers |
| 2500940.991510 | UBAT1510 | 1224.0 | 10/649,251 | 26-Aug-03 | | | Spatial-Heterodyne Interferometry for Transmission (SHIFT) Measurements |
| 2500940.991520 | UBAT1520 | 1225.0 | 10/649,474 | 26-Aug-03 | | | Spatial-Heterodyne Interferometry for Reflection and Transmission (SHIRT) Measurements |
| 2500940.991530 | UBAT1530 | 1208.0 | 10/716,770 | 19-Nov-03 | | | Vertically Aligned Carbon Nanofiber Scanning Probe Microscope Tips |
| 2500940.991540 | UBAT1540 | 1244.0 | 10/770,857 | 3-Feb-04 | | | An Efficient Tool for Control of Friction at the Nanoscale |
| 2500940.991550 | UBAT1550 | 1261.0 | 10/774,699 | 9-Feb-04 | | | FABRICATION OF NANOCONDUITS USING ALIGNED NANOSTRUCTURE TEMPLATES |
| 2500940.991560 | UBAT1560 | 1353.0 | 10/840,092 | 6-May-04 | | | Marine Asset Security and Tracking (MAST) System |
| 2500940.991570 | UBAT1570 | 1356.0 | 10/840,553 | 6-May-04 | | | Space Charge Dosimeters for Extremely Low Power Measurements of Radiation in Shipping Containers |

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Respectfully submitted, .


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